

APPLICATION NUMBER: US 08/724,643  
 FILING DATE: 01-OCT-1996  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/844,419  
 FILING DATE: 18-APR-1997  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/846,017  
 FILING DATE: 25-APR-1997  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/851,843  
 FILING DATE: 06-MAY-1997  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/854,050  
 FILING DATE: 09-MAY-1997  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/911,312  
 FILING DATE: 14-AUG-1997  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/912,951  
 FILING DATE: 14-AUG-1997  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/915,503  
 FILING DATE: 14-AUG-1997  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: WO PCT/US97/17618  
 FILING DATE: 01-OCT-1997  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: WO PCT/US97/17885  
 FILING DATE: 01-OCT-1997  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Apple, Randolph Ted  
 REGISTRATION NUMBER: 36,429  
 REFERENCE/DOCKET NUMBER: 015389-00261005  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (415) 576-0200  
 TELEFAX: (415) 576-0300  
 INFORMATION FOR SEQ ID NO: 613:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1189 amino acids  
 TYPE: amino acid  
 STRANDEDNESS:  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 FEATURE:  
 NAME/KEY: Protein  
 LOCATION: 1..1189  
 OTHER INFORMATION: /note= "fusion protein composed of  
 OTHER INFORMATION: melittin signal sequence and full length  
 OTHER INFORMATION: hTERT protein"  
 US-08-974-549A-613

Query Match 99.6%; Score 5873; DB 4; Length 1189;  
 Best Local Similarity 98.9%; Pred. No. 0;  
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 Oy 361 VETIFLSRPMPCPRRLPLRQRYWOMRPLFELLGNHACPYGLLKTCHPLRAVT 420  
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 Db 478 PAAGVCAERKQGSVAAPREEDTPRRLVOLLRSHSPWQYGVYRACRLRVPGLMG 537  
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 Db 1138 KLTRHRVTVPLGLSLFRAOTOLSRKLPGTTLTALAANALPDSFTIIL 1189

RESULT 6  
 US-08-974-549A-612  
 Sequence 612 Application US/08974549A  
 Patent No. 6166178  
 GENERAL INFORMATION:  
 APPLICANT: Cecch, Thomas R.  
 APPLICANT: Lingner, Joachim  
 APPLICANT: Nakamura, Toru  
 APPLICANT: Chapman, Karen B.  
 APPLICANT: Worin, Gregg B.  
 APPLICANT: Harley, Calvin B.  
 APPLICANT: Andrews, William H.  
 TITLE OF INVENTION: Human Telomerase Catalytic Subunit

APPLICATION NUMBER: US 08/912,951  
 FILING DATE: 14-AUG-1997  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/915,503  
 FILING DATE: 14-AUG-1997  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: WO PCT/US97/17618  
 FILING DATE: 01-OCT-1997  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: WO PCT/US97/17885  
 FILING DATE: 01-OCT-1997  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Apple, Randolph Ted  
 REGISTRATION NUMBER: 36,429  
 REFERENCE/DOCKET NUMBER: 97-0389-002610US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (415) 576-0200  
 TELEFAX: (415) 576-0300  
 INFORMATION FOR SEQ ID NO: 611:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1154 amino acids  
 TYPE: amino acid  
 STRANDEDNESS:  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 FEATURE:  
 NAME/KEY: Protein  
 LOCATION: 1..1154  
 OTHER INFORMATION: /note= "fusion protein composed of hTERT  
 OTHER INFORMATION: protein sequence, vector sequences, the  
 OTHER INFORMATION: Myc epitope and His6 tag"  
 US-08-974-549A-611

Query Match 99.6% Score 5873; DB 4; Length 1154;  
 Best Local Similarity 98.9% Freq. No. 0;  
 Matches 1119; Conservative 0; Mismatches 1; Indels 12; Gaps 1;

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RESULT 5  
 US-08-974-549A-613  
 Sequence 5873; Application us/08974549A  
 Patent No. 6166178  
 GENERAL INFORMATION:  
 APPLICANT: Cech, Thomas R.  
 APPLICANT: Lingner, Joachim  
 APPLICANT: Nakamura, Toru  
 APPLICANT: Chapman, Karen B.  
 APPLICANT: Morin, Gregg B.  
 APPLICANT: Harley, Calvin B.  
 TITLE OF INVENTION: Human Telomerase Catalytic Subunit  
 NUMBER OF SEQUENCES: 727  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Townsend and Townsend and Crew LLP  
 STREET: Two Embarcadero Center, Eighth Floor  
 CITY: San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94111-3834  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/974,549A  
 FILING DATE: 19-NOV-1997  
 CLASSIFICATION: 536  
 PRIOR APPLICATION DATA:

GenCore version 4.5  
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: December 7, 2001, 10:18:37 ; Search time 36.99 Seconds  
(without alignments)  
337.717 Million cell updates/sec

Title: US-09-108-401-35

Perfect score: 3158

Sequence: 1 MPRAPRCRAVRSILRSHTRE.....QKNRLFFRKSVMSKLSIG 588

Scoring table: BLOSUM62  
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Searched: 212252 seqs, 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Issued\_Patents\_AA:\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

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1	3151	99.8	807	US-08-974-549A-5	Sequence 5, Appli
2	3151	99.8	1132	US-08-851-843A-225	Sequence 225, App
3	3151	99.8	1132	US-08-974-549A-2	Sequence 2, Appli
4	3151	99.8	1132	US-08-854-050-225	Sequence 225, App
5	3151	99.8	1154	US-08-974-549A-611	Sequence 611, App
6	3151	99.8	1189	US-08-974-549A-613	Sequence 613, App
7	3151	99.8	1200	US-08-974-549A-612	Sequence 612, App
8	3151	99.8	1285	US-08-974-549A-600	Sequence 600, App
9	3145	99.6	1407	US-08-974-549A-344	Sequence 344, App
10	3145	99.6	1407	US-08-974-549A-628	Sequence 628, App
11	1506	47.7	514	US-08-974-549A-605	Sequence 605, App
12	1445	45.8	517	US-08-974-549A-606	Sequence 606, App
13	1029.5	32.6	1003	US-08-851-843A-217	Sequence 217, App
14	1029.5	32.6	1003	US-08-974-549A-336	Sequence 336, App
15	1029.5	32.6	1003	US-08-854-050-217	Sequence 217, App
16	920	29.1	222	US-08-851-843A-302	Sequence 302, App
17	920	29.1	222	US-08-974-549A-321	Sequence 321, App
18	920	29.1	222	US-08-854-050-202	Sequence 202, App
19	905.5	28.7	330	US-08-851-843A-203	Sequence 203, App
20	905.5	28.7	330	US-08-974-549A-322	Sequence 322, App
21	905.5	28.7	330	US-08-854-050-203	Sequence 203, App
22	268	8.5	988	US-08-851-843A-69	Sequence 69, Appl
23	268	8.5	988	US-08-974-549A-112	Sequence 112, App
24	268	8.5	988	US-08-854-050-69	Sequence 69, Appl
25	246	7.8	129	US-08-851-843A-67	Sequence 67, Appl
26	246	7.8	129	US-08-974-549A-13	Sequence 13, Appl
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## ALIGNMENTS

28	219	6.9	43	4	US-08-974-549A-72	Sequence 72, Appl
29	219	6.9	48	4	US-08-974-549A-30	Sequence 30, Appl
30	204	6.5	259	4	US-08-974-549A-10	Sequence 10, Appl
31	204	6.5	564	3	US-08-851-843A-101	Sequence 101, App
32	204	6.5	564	4	US-08-974-549A-267	Sequence 267, App
33	204	6.5	564	4	US-08-854-050-101	Sequence 101, App
34	200	6.3	515	4	US-08-974-549A-604	Sequence 604, App
35	199	6.3	530	4	US-08-974-549A-603	Sequence 603, App
36	172.5	5.5	884	3	US-08-851-843A-55	Sequence 55, Appl
37	172.5	5.5	884	4	US-08-974-549A-222	Sequence 222, App
38	172.5	5.5	884	4	US-08-854-050-55	Sequence 55, Appl
39	159	5.0	882	4	US-09-413-814-78	Sequence 78, Appl
40	155	4.9	897	4	US-08-974-549A-189	Sequence 189, App
41	155	4.9	1007	3	US-08-851-843A-86	Sequence 86, Appl
42	155	4.9	1007	4	US-08-974-549A-187	Sequence 187, App
43	155	4.9	1007	4	US-08-854-050-86	Sequence 86, Appl
44	155	4.9	1031	3	US-08-851-843A-2	Sequence 2, Appl
45	155	4.9	1031	4	US-08-974-549A-110	Sequence 110, App

RESULT 1  
US-08-974-549A-5  
Sequence 5, Application US/08974545A  
Patent No. 6165178  
GENERAL INFORMATION:  
APPLICANT: Cecch, Thomas R.  
APPLICANT: Lingner, Joachim  
APPLICANT: Nakamura, Toru  
APPLICANT: Chapman, Karen B.  
APPLICANT: Morin, Gregg B.  
APPLICANT: Harley, Calvin B.  
APPLICANT: Andrews, William H.  
TITLE OF INVENTION: Human Telomerase Catalytic Subunit  
NUMBER OF SEQUENCES: 727  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/974, 549A  
FILING DATE: 19-NOV-1997  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/724, 643  
FILING DATE: 01-OCT-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/851, 843  
FILING DATE: 06-MAY-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/846, 017  
FILING DATE: 25-APR-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/854, 050  
FILING DATE: 09-MAY-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/911, 312  
FILING DATE: 14-AUG-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/912, 951

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 APPLICATION NUMBER: US 08/915,503  
 FILING DATE: 14-AUG-1997  
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 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: WO PCT/US97/17885  
 FILING DATE: 01-OCT-1997  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Apple, Randolph Ted  
 REGISTRATION NUMBER: 36,429  
 REFERENCE/DOCKET NUMBER: 015389-002610US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (415) 576-0200  
 TELEFAX: (415) 576-0300  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 807 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-974-549A-5

Query Match 99.8%; Score 3151; DB 4; Length 807;  
 Best Local Similarity 99.8%; Pred. No. 4,2e-260;  
 Matches 587; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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 121 STLPNTVTDLRGSGAMGLLRRVGDVVLHLLARCALFVLVAPSCAYOVCGPPLYOLGA 180  
 181 ATQARPPHASGPRRLRGGERAMNHSVREAGVPLGLPAPGARRGGSASRSLPLKRRPR 240  
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 361 VETFLGSRPMPTGPRRLRLPQRYQWMPRLFLELLGNHACPYGLVLLTHCPLRAVT 420  
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 481 RHNEBRRLRNTKFKFISGKAKLSLOELTWKMSVRDCAMLRSPGVCCVPAAEHRLREI 540  
 481 RHNEBRRLRNTKFKFISGKAKLSLOELTWKMSVRDCAMLRSPGVCCVPAAEHRLREI 540  
 541 LAKFLHMLMSVYVELLRSEFFVYETTFQKNRLFFYRKSVMSKLSIG 588  
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RESULT 2  
 US-08-851-843A-225

Sequence 225, Application US/08851843A  
 Patent No. 6093809

GENERAL INFORMATION:  
 APPLICANT: Cech, Thomas R.  
 APPLICANT: Lingner, Joachim  
 APPLICANT: Nakamura, Toru  
 APPLICANT: Chapman, Karen B.  
 APPLICANT: Motin, Gregg B.  
 APPLICANT: Hatley, Calvin  
 APPLICANT: Andrews, William H.  
 TITLE OF INVENTION: No. 6093809e1 Telomerase  
 NUMBER OF SEQUENCES: 225  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Townsend and Townsend and Crew LLP  
 STREET: Two Embarcadero Center, 8th Floor  
 CITY: San Francisco  
 STATE: California  
 COUNTRY: United States of America  
 ZIP: 94111  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/851,843A  
 FILING DATE: 06-MAY-1997  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/846,017  
 FILING DATE: 25-APR-1997  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/844,419  
 FILING DATE: 18-APR-1997  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/724,643  
 FILING DATE: 01-OCT-1996  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Apple, Randolph T.  
 REGISTRATION NUMBER: 36,429  
 REFERENCE/DOCKET NUMBER: 015389-0029300S  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (415) 576-0200  
 TELEFAX: (415) 576-0300  
 INFORMATION FOR SEQ ID NO: 225:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1132 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-851-843A-225

Query Match 99.8%; Score 3151; DB 3; Length 1132;  
 Best Local Similarity 99.8%; Pred. No. 6,5e-260;  
 Matches 587; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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 61 DARRPAPASFRQVSCKELVAVLQRLCERGAKNVLAFCFALLDARGGPPPEAFTTSVR 120  
 121 STLPNTVTDLRGSGAMGLLRRVGDVVLHLLARCALFVLVAPSCAYOVCGPPLYOLGA 180  
 121 STLPNTVTDLRGSGAMGLLRRVGDVVLHLLARCALFVLVAPSCAYOVCGPPLYOLGA 180  
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GenCore version 4.5  
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OM protein - protein search, using sw model

Run on: December 7, 2001, 10:21:03 ; Search time 36.99 Seconds  
(without alignments)  
490.339 Million cell updates/sec

Title: US-09-108-401-39

Perfect score: 4278  
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Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database :

Issued\_Patents\_AA:\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	4253.5	99.4	807	US-08-974-549A-5	Sequence 5, App1
2	4033.5	94.3	1132	US-08-851-843A-225	Sequence 225, App
3	4033.5	94.3	1132	US-08-974-549A-2	Sequence 2, App1
4	4033.5	94.3	1132	US-08-854-050-225	Sequence 225, App
5	4033.5	94.3	1154	US-08-974-549A-611	Sequence 611, App
6	4033.5	94.3	1189	US-08-974-549A-613	Sequence 613, App
7	4033.5	94.3	1200	US-08-974-549A-612	Sequence 612, App
8	4033.5	94.3	1285	US-08-974-549A-600	Sequence 600, App
9	4027.5	94.1	1132	US-08-974-549A-344	Sequence 344, App
10	4027.5	94.1	1407	US-08-974-549A-628	Sequence 628, App
11	1912	44.7	1003	US-08-851-843A-217	Sequence 217, App
12	1912	44.7	1003	US-08-974-549A-336	Sequence 336, App
13	1912	44.7	1003	US-08-854-050-217	Sequence 217, App
14	1506	35.2	514	US-08-974-549A-605	Sequence 605, App
15	1445	33.8	517	US-08-974-549A-606	Sequence 606, App
16	1306.5	30.5	259	US-08-974-549A-10	Sequence 10, App1
17	1081.5	25.3	530	US-08-974-549A-603	Sequence 603, App
18	1035	24.2	515	US-08-974-549A-604	Sequence 604, App
19	1027	24.0	564	US-08-851-843A-101	Sequence 101, App
20	1027	24.0	564	US-08-974-549A-267	Sequence 267, App
21	920	21.5	222	US-08-854-050-101	Sequence 101, App
22	920	21.5	222	US-08-851-843A-202	Sequence 202, App
23	920	21.5	222	US-08-974-549A-321	Sequence 321, App
24	905.5	21.2	330	US-08-854-050-202	Sequence 202, App
25	905.5	21.2	330	US-08-851-843A-203	Sequence 203, App
26	905.5	21.2	330	US-08-974-549A-322	Sequence 322, App
27	905.5	21.2	330	US-08-854-050-203	Sequence 203, App

28	652	15.2	129	3	US-08-851-843A-67	Sequence 67, App1
29	652	15.2	129	4	US-08-974-549A-13	Sequence 13, App1
30	652	15.2	129	4	US-08-854-050-67	Sequence 67, App1
31	347	8.1	988	3	US-08-851-843A-69	Sequence 69, App1
32	347	8.1	988	4	US-08-974-549A-112	Sequence 112, App
33	347	8.1	988	4	US-08-854-050-69	Sequence 69, App1
34	287	6.7	1007	3	US-08-851-843A-189	Sequence 189, App
35	287	6.7	1007	3	US-08-851-843A-189	Sequence 189, App
36	287	6.7	1007	4	US-08-974-549A-187	Sequence 187, App
37	287	6.7	1007	4	US-08-854-050-86	Sequence 86, App1
38	287	6.7	1031	3	US-08-851-843A-2	Sequence 2, App1
39	287	6.7	1031	4	US-08-974-549A-110	Sequence 110, App
40	287	6.7	1031	4	US-08-854-050-2	Sequence 2, App1
41	272	6.4	54	4	US-08-974-549A-31	Sequence 31, App1
42	250	5.8	48	4	US-08-974-549A-30	Sequence 30, App1
43	248	5.8	884	3	US-08-851-843A-55	Sequence 55, App1
44	248	5.8	884	4	US-08-974-549A-222	Sequence 222, App
45	248	5.8	884	4	US-08-854-050-55	Sequence 55, App1

#### ALIGNMENTS

RESULT 1  
US-08-974-549A-5  
Sequence 5, Application US/08974549A  
Patent No. 6166178  
GENERAL INFORMATION:  
APPLICANT: Ceoh, Thomas R.  
APPLICANT: Lingner, Joachim  
APPLICANT: Nakamura, Toru  
APPLICANT: Chapman, Karen B.  
APPLICANT: Morin, Gregg B.  
APPLICANT: Harley, Calvin B.  
APPLICANT: Andrews, William H.  
TITLE OF INVENTION: Human Telomerase Catalytic Subunit  
NUMBER OF SEQUENCES: 727  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/974,549A  
FILING DATE: 19-NOV-1997  
CLASSIFICATION: 536  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US 08/724,643  
FILING DATE: 01-OCT-1996  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US 08/844,415  
FILING DATE: 18-APR-1997  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US 08/846,617  
FILING DATE: 25-APR-1997  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US 08/851,843  
FILING DATE: 06-MAY-1997  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US 08/854,650  
FILING DATE: 09-MAY-1997  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US 08/911,312  
FILING DATE: 14-AUG-1997  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US 08/912,951

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      FILING DATE: 14-AUG-1997
      PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 08/915,503
      FILING DATE: 14-AUG-1997
      PRIOR APPLICATION DATA:
      APPLICATION NUMBER: WO PCT/US97/17618
      FILING DATE: 01-OCT-1997
      PRIOR APPLICATION DATA:
      APPLICATION NUMBER: WO PCT/US97/17885
      FILING DATE: 01-OCT-1997
      ATTORNEY/AGENT INFORMATION:
      NAME: Apple, Randolph Ted
      REGISTRATION NUMBER: 36,429
      REFERENCE/DOCKET NUMBER: 015389-002610US
      TELECOMMUNICATION INFORMATION:
      TELEPHONE: (415) 576-0200
      TELEFAX: (415) 576-0300
      INFORMATION FOR SEQ ID NO: 5:
      SEQUENCE CHARACTERISTICS:
      LENGTH: 807 amino acids
      TYPE: amino acid
      TOPOLOGY: linear
      MOLECULE TYPE: protein
      US-08-974-549A-5

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Query Match 99.4%; Score 4253.5; DB 4; Length 807;  
 Best Local Similarity 99.6%; Pred. No. 0;  
 Matches 804; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

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DB 1 MPAPRCRAVRLSLRSHTEVPLATFVRRLGPDGMRLVORGDPAAFRALVAOCLVCPW 60
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DB 61 DARRPRAASFRVSLKELVAVLDRLCERGAKNVLAEGFALLDQARGPPAFTTSVR 120
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DB 121 STYPTNVTDALRGSGAMGLLRVGGDVLVHLARCALFVLVAPSCAYOVCGRPLVQLGA 180
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DB 181 ATQARPPHASPGRRLACGERANNSHREAGVPLGLPARGARRGGSASNSLPLPRPRR 240
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DB 301 ROHHAGRPSTSRPRPMDPCPRVVAETKHFLYSSGDKRGLRSPFLSLSTRSLTGARRL 360
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DB 541 LAKFLMLMSVYVVELLRSFYVTETTFQKNRLFYFRKSVWSKLOSIGIQHKLKRVOLRE 600
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OY 721 PODRLTEVIASTIKPONTYCVRRYAVVQKAAGHYKAKFS-VLRVPDPDAGLPLHAA 779
DB 721 PODRLTEVIASTIKPONTYCVRRYAVVQKAAGHYKAKFS-VLRVPDPDAGLPLHAA 780
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DB 781 LQPLVRHGEQAVCGDSAGRAAPAFVG 807

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RESULT 2  
 US-08-851-843A-225  
 Sequence 225, Application US/08851843A  
 Patent No. 6093809  
 GENERAL INFORMATION:  
 APPLICANT: Cecch, Thomas R.  
 APPLICANT: Lingner, Joachim  
 APPLICANT: Nakamura, Toru  
 APPLICANT: Chapman, Karen B.  
 APPLICANT: Morlin, Gregg B.  
 APPLICANT: Harley, Calvin  
 APPLICANT: Andrews, William H.  
 TITLE OF INVENTION: No. 6093809e1 Telomerase  
 NUMBER OF SEQUENCES: 225  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Townsend and Townsend and Crew LLP  
 STREET: Two Embarcadero Center, 8th Floor  
 CITY: San Francisco  
 STATE: California  
 COUNTRY: United States of America  
 ZIP: 94111  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/851,843A  
 FILING DATE: 06-MAY-1997  
 CLASSIFICATION:  
 APPLICATION DATA: US 08/846,017  
 FILING DATE: 25-APR-1997  
 CLASSIFICATION:  
 APPLICATION DATA: US 08/844,419  
 FILING DATE: 18-APR-1997  
 CLASSIFICATION:  
 APPLICATION DATA: US 08/724,643  
 FILING DATE: 01-OCT-1996  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Apple, Randolph T.  
 REGISTRATION NUMBER: 36,429  
 REFERENCE/DOCKET NUMBER: 015389-002930US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (415) 576-0200  
 TELEFAX: (415) 576-0300  
 INFORMATION FOR SEQ ID NO: 225:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1132 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-851-843A-225

Query Match 94.3%; Score 4033.5; DB 3; Length 1132;